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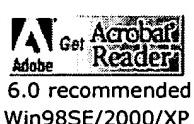
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Patent Abstract

GER 2001-08-09 10002004 Atomization appliance

INVENTOR(S)- Ruoff, Manfred 71696 Moeglingen DE**INVENTOR(S)**- Nau, Michael, Dr. 72175 Dornhan DE**INVENTOR(S)**- Bareis, Marc 71706 Markgroeningen DE**INVENTOR(S)**- Ilgner, Frank 76137 Karlsruhe DE**INVENTOR(S)**- Harndorf, Horst, Dr. 71701 Schwieberdingen DE**APPLICANT(S)**- Robert Bosch GmbH 70469 Stuttgart

DE

PATENT NUMBER- 10002004/DE-A1**PATENT APPLICATION NUMBER**- 10002004**DATE FILED**- 2000-01-19**DOCUMENT TYPE**- A1, DOCUMENT LAID OPEN (FIRST PUBLICATION)**PUBLICATION DATE**- 2001-08-09**INTERNATIONAL PATENT CLASS**- B05B00728;
B01J00400; H01M00802; B01J01926; B05B00700D;
C01B00332B; C01B00338; H01M00806B2C**PATENT APPLICATION PRIORITY**- 10002004, A**PRIORITY COUNTRY CODE**- DE, Germany, Ged. Rep. of**PRIORITY DATE**- 2000-01-19**FILING LANGUAGE**- German**LANGUAGE**- German NDN- 203-0467-0492-0

The invention involves an atomization appliance for a Gas/FloOssigkeitsgemisch, especially to the entry into a chemical reformer to the production of hydrogen, that at least one Gaszuleitung for the supply of a Gasstroms (11,

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11a, 21) and at least one liquid inlet (16, 18) for the supply of a liquid stream (17, 19) contains. The liquid inlet (16, 18) leads at an exit place (16a, 18a) in a Venturirohr (12), that is in the Gaszuleitung.

EXEMPLARY CLAIMS- 1. Atomization appliance for a Gas/FloOssigkeitsgemisch, especially to the entry into a chemical reformer to the production of hydrogen, with at least one Gaszuleitung for the supply of a Gasstroms and at least one liquid inlet for the supply of a liquid stream, with what the liquid inlet leads at an exit place in the Gaszuleitung, through it marked, that a first Venturirohr (12) is intended, that from the Gasstrom, 11, 11 a, the Gaszuleitung durchstroemt is, and that the exit place, 16 a, 18 a, in the area of the lowest diameter (14) into the first Venturirohr (12) leads. 2. Atomization appliance after claim 1, marked by it, that the first Venturirohr (12) at least partially is angeordnet for a Gasrohres (20), that from the Gasstrom, 11 a, 21, the Gaszuleitung durchstroemt is. 3. Atomization appliance after claim 2, marked by it, that the Gasrohr (20) in the area of the Venturirohrs (12) trains a second Venturirohr (22). 4. Atomization appliance after at least one of the claims 1 to 3, marked by it, that the first Venturirohr (12) in the second Venturirohr (22) is angeordnet so, that the exit-page opening (15) of the first Venturirohrs (12) is in the area of the lowest diameter (24) of the second Venturirohrs (22). 5. Atomization appliance after claim 3 or 4, marked by it, that the Gasrohr (20) at least partially is angeordnet within another Gasrohres of bigger diameter, that from the Gasstrom, 11 a, 21, the Gaszuleitung durchstroemt is. 6. Atomization appliance after at least one of the claims 1 to 5, marked by it, that the further Gasrohr in the area of the second Venturirohrs (22) trains a third Venturirohr. 7. Atomization appliance after claim 6, marked by it, that the second Venturirohr (22) in the third Venturirohr angeordnet is so, that the exit-page opening of the second Venturirohrs (22) is in the area of the lowest diameter of the third Venturirohrs. 8. Atomization appliance after at least one of the claims 1 to 7, marked by it, that waters are a fuel as

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Nerac, Inc., One Technology Drive . Tolland, CT

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